

Innovative CO2 sensor



MerryIoT Air Quality CO2



A MerryIoT Hub is required to get the sensors connected (Sold separately)

Best-in-class integrated 3-in-1 CO2 sensor

CO2 / Temperature / Humidity

Visual color indication of the air quality by waving in front of the device



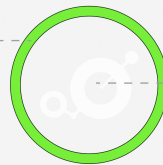
Thousands ft. long range coverage between the hub and the sensor




Built-in alarm buzzer with min 80 dB




Years of battery life time



Signal coverage test button

Press-and-play installation and no tools needed 

Easy to manage with MerryIoT app for both iOS and Android 

Description

Indoor air quality is sometimes worse than the air quality outdoors, however, we now stay indoors more than ever before!

You can now define your own comfortable environment using an easily managing app and the MerryIoT Air Quality CO2 monitor!

Monitor the level of carbon dioxide, temperature, as well as humidity 24/7 in real time!

Radio / Wireless

Sensor Type: NDIR (Non-dispersive infrared)

Frequency: EU 868 MHz; US 902~928 MHz

Antenna Gain: -2dBi Peak

RF Sensitivity: -135dBm

Protocol: LoRaWAN1.0.3

Power Supply

Battery Type: 3.6V AA Li-SOCl₂ x 2 pcs, 5400 mAh

Expected Battery Lifetime: About 24 months
(Note: Service life varies to the operating conditions.)

Average Current: 160mA max / 20mA min

Operating Conditions

Temperature: 0 to 50°C

Indoor use (IP40 equivalent)

Sensors

Innovative CO₂ Sensor

- Measurement range: 400 ppm -10000 ppm
- Accuracy: $\pm(30 \text{ ppm} + 3\%)$

Temperature Sensor

- Measurement range: -40°C -70°C
- Accuracy: $\pm(0.4^\circ\text{C})$

Humidity Sensor

- Measurement range: 0 %RH -100 %RH
- Accuracy: $\pm 3 \text{ %RH}$

Proximity Sensor

- Distance: 10cm

Mechanical Specifications

Dimensions: 90mm x 30mm x 70mm

Weight: 160 g

Regulatory Certification

Type Approval: CE/FCC/IC